



2001 Green Zia Company Profile

NASA White Sands Test Facility

The WSTF mission is to provide the expertise and infrastructure to test and evaluate spacecraft materials, components, and propulsion systems to enable the safe human exploration and utilization of space. NASA WSTF has approximately 600 employees.

WSTF viewed the Green Zia Program as an opportunity to partner with other New Mexico private and governmental entities to identify common pollution prevention issues and opportunities. These opportunities include recognition and outreach of WSTF's recent environmental achievements including ISO 14001 registration, and acceptance in the EPA's Performance Track and Project XL programs.

The WSTF plans to continue their participation in the Green Zia program next year.



View of WSTF's Administration Area in the foreground, Operational Test Areas are located in the upper background (north).

Pollution Prevention at NASA White Sands Test Facility



One of WSTF's significant environmental aspects is usage of CFC-113, an ozone depleting substance. An Environmental Management Program has been put into place to reduce usage. This year the facility has used less than 15 gallons of CFC-113 in our clean room facility, compared to literally thousands of gallons that were used in the late 1980s. Alternative environmentally safe solvents and aqueous (water) cleaning techniques are now used for the vast majority of precision cleaned components in the Clean Room facility.

WSTF's Environmental Management System includes procedures for identifying pollution prevention opportunities in new projects as well as on-going analysis of current activities in accordance with the ISO 14001 registered EMS.

The facility plans to further integrate the environmental management and quality management systems with our conversion to the 2000 revision of the ISO 9001 standard.

Successful Approaches at NASA White Sands Test Facility

The WSTF has found that involving the employees in a process to help in pollution prevention solutions has been a very successful approach towards environmental excellence.

The WSTF has set up a public access Environmental web page to provide information regarding the significant aspects of our operations as well as pollution prevention activities. Go to WSTF's home page at <http://www.wstf.nasa.gov/>; then click on "Environmental."



Raymond Reynaud, EMS Administrator, accepting the Green Zia Achievement recognition from Governor Gary E. Johnson at the 2001 Green Zia Recognition & Award ceremony.

Results

The WSTF has significantly reduced their use of Freon-113, down 92% from 1995 levels. At the WSTF over 19 tons of white paper and cardboard were recycled in 2000. The WSTF has documented a 82% reduction in hazardous waste shipment disposal costs during 2000 as compared to 1986-1989 levels.

"Participation in the Green Zia Environmental Excellence Program has been a natural evolution since establishment of an ISO 14001-registered Environmental Management System at WSTF."

- David Amidei, NASA Environmental Program Manager

If you have any questions about the Green Zia program, please contact:

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